

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (Currently Amended) A rotational angle sensor, comprising:

a magnetic detector for detecting a rotational angle of a rotor based on a magnetic field generated between a pair of magnets respectively disposed across the rotational axis of the rotor and having a connection terminal;

a main terminal having a connection portion connected with ~~each the~~ connection terminal of the magnetic detector; and

a holder member for holding the magnetic detector and ~~magnetic detector side the~~ connection portion ~~portions~~ of the ~~respective main terminals~~ terminal,

wherein the magnetic detector, the main terminal ~~terminals~~ and the holder member are ~~formed into an assembly to be constructed~~ structured as a sensor assembly.

2. (currently amended) The rotational angle sensor as in claim 1, wherein ~~each the~~ connection terminal of the magnetic detector and the ~~respective main~~ terminal ~~terminals~~ are connected by welding.

3. (currently amended) The rotational angle sensor as in claim 1 ~~or 2~~, wherein the holder member is provided with a guiding ~~portions~~ portion for guiding the magnetic detector to a predetermined assembled position.

4. (currently amended) The rotational angle sensor as in ~~any one of claims~~ claim 1 ~~to 3~~, wherein a potting material is ~~potted positioned into~~ in the holder member so as to cover the magnetic detector and the connection ~~portions~~ portion between ~~each the~~ connection terminal of the magnetic detector and the ~~respective main terminals~~ terminal.

5. (currently amended) The rotational angle sensor as in claim 4, ~~wherein the rotational angle sensor is provided with further comprising a capacitor capacitors as a preventive measure for discharge of positive charges, and wherein the capacitor capacitors are is connected between one and another of the respective to the main terminal terminals and covered with the potting material.~~

6. (currently amended) The rotational angle sensor as in claim 5, wherein the ~~capacitor capacitors are is~~ disposed on the same side as the connection side of the ~~respective main terminal terminals~~ connected with the magnetic detector.

7. (currently amended) The rotational angle sensor as in claim 5 ~~or 6~~, wherein ~~housed portions of the respective the main terminal terminals for connecting the magnetic detectors and the capacitors are formed is positioned in a stepped manner, with wherein an exposed portion portions of the respective main terminal terminals for the external terminals, such that the exposed portions are is~~ disposed outside of the holder member, ~~while the housed portions are housed with the magnetic detector and the capacitors in the holder member in such a manner that the housed portions are closer to the bottom in the holder member than the exposed portions.~~

8. (currently amended) The rotational angle sensor as in ~~any one of claims claim 5 to 7~~, wherein the ~~capacitor capacitors are includes lead-type capacitors having leads.~~

9. (currently amended) The rotational angle sensor as in claim 8, wherein the leads of the ~~capacitor capacitors~~ are connected with the capacitor connections of the main terminals by welding.

10. (currently amended) The rotational angle sensor as in claim 4, wherein the magnetic detectors are housed in the holder member such that a bottom surface within the holder

member is formed in a predetermined spaced relationship to the contour shape of the magnetic detector ~~detectors~~ facing to the bottom surface.

11. (currently amended) The rotational angle sensor as ~~in any one of claim~~ claim 1 to 10, ~~wherein the rotational angle sensor is provided with a resin molded body~~further including a body made of resin, which is resin molded in such a manner that the sensor wherein the assembly is insert molded with subterminals, which are connected to ~~the terminal connections of the respective main terminal terminals~~ and connectable with terminal pins of an external connector.

12. (currently amended) The rotational angle sensor as in claim 11, wherein the holder member includes sidewalls, which is provided with a reinforcing rib ~~ribs~~ for inhibiting deformation of the sidewalls caused by molding pressure when the resin molded body is resin molded.

13. (currently amended) The rotational angle sensor as in claim 11 ~~or 12~~, wherein the holder member is provided on an outer surface thereof with a stepped surface intersecting an axis such that a resin portion of the ~~resin molded~~ body surrounding the holder member is prevented from burring on the same plane as the stepped surface.

14. (currently amended) The rotational angle sensor as in claim 13, wherein the stepped surface of the holder member is provided with a retaining recess ~~recesses~~, into which the resin portion ~~of the resin molded body~~ flows.

15. (currently amended) A method for manufacturing a rotational angle sensor ~~including a magnetic detector for detecting a rotational angle of a rotor based on a magnetic field generated between a pair of magnets respectively disposed across the rotational axis of the rotor, each main terminal connected with each connection terminal of the~~

~~magnetic detector, and a holder member for housing the magnetic detector and magnetic detector side connection portions of the respective main terminals, the method comprising the steps of:~~

providing a magnetic detector, a plurality of main terminal connections connected with a plurality of connection terminals of the magnetic detector, and a holder member for housing the magnetic detector and the connection portions of the main terminals;

press molding an electrically conductive sheet stock so as to form a main terminal unit in which the respective main terminals are connected via tie bars;

connecting each connection terminal of the magnetic detector with the main terminal unit so as to form a main terminal assembly;

~~disposing~~ positioning the magnetic detector of the main terminal assembly and the ~~magnetic detector side~~ connection portions of the ~~respective~~ main terminals ~~to be housed into~~ in the holder member; and

removing the tie bars from the main terminal unit.

16. (currently amended) The method for manufacturing a rotational angle sensor as in claim 15, wherein the connections between the main terminal unit and the respective connection terminals of the magnetic detector are disposed in a row, while a welding head for welding ~~each~~ the connection ~~terminals terminal~~ of the magnetic detector and the ~~respective~~ main terminals at the connections is sequentially moved ~~into~~ to the row direction as performing the welding.

Claim 17 (canceled)

18. (new) A rotational angle sensor, comprising:
a magnetic detector having a connection terminal;
at least one main terminal connected with the connection

terminal of the magnetic detector, the at least one main terminal including a connection portion; and

a holder member for holding the magnetic detector and the connection portion of the respective main terminal,

wherein the magnetic detector, the main terminals and the holder member are formed into an assembly to be structured as a sensor assembly, further wherein a potting material member is positioned within the holding member to encapsulate at least a portion of the sensor assembly.

19. (new) The rotational angle sensor as in claim 18, wherein each the connection terminal of the magnetic detector and the respective main terminal are connected by welding.

20. (new) The rotational angle sensor as in claim 18, wherein the holder member is provided with a guiding portion for guiding the magnetic detector to a predetermined assembled position.

21. (new) The rotational angle sensor as in claim 18, wherein the potting material member is positioned in the holder member so as to cover at least the connection portion between the connection terminal of the magnetic detector and the respective main terminal.